ENVIRONMENTAL SENSITIVITY INDEX MAP

Prepared for:

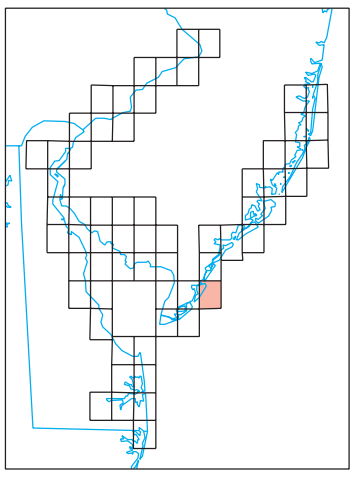
HAZARDOUS MATERIALS RESPONSE
and ASSESSMENT DIVISION
National Oceanic and Atmospheric Administration
Seattle, Washington
and
The States of DELAWARE,
NEW JERSEY, and PENNSYLVANIA

N W E S

1 .5 0 1 KILOMETER

1 .5 0 1 MILE

Not For Navigation
Published: August 1996



AVALON, N.J. (1977) 46

DELAWARE, NEW JERSEY, and PENNSYLVANIA ESIMAP 46

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
136	Great egret				1			X	X	X	X	X	X	X	X			JUN-JUL	-	-	-
138	Black-crowned night heron				2			X	X	X	X	X	X	X	X			MAR-JUN	MAY-JUN	-	-
	Great egret				5			X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
140	Black skimmer	NJ	S	E	20					X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Common tern				220			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Forster's tern				40			X	X	X	X	X	X					MAY-JUL	-	JUN-JUN	JUL-JUL
141	Common tern				55			X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
142	Black-crowned night heron				2			X	X	X	X	X	X	X	X			MAR-JUN	MAY-JUN	-	-
	Great egret				1			X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Little blue heron				1				X	X	X	X	X	X	X	X		APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
145	Forster's tern				77			X	X	X	X	X	X					MAY-JUL	-	JUN-JUN	JUL-JUL
	Laughing gull				190				X	X	X	X	X	X	X			APR-JUL	MAY-MAY	MAY-JUN	JUL-JUL
190	Common tern							X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Glossy ibis							X	X	X	X	X	X	X				MAR-SEP	APR-MAY	APR-JUN	JUL-SEP
	Great egret							X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Osprey	NJ	S	T				X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
	Piping plover	NJ	S/F	E/T			X	X	X	X	X	X	X	X				APR-AUG	MAY-JUN	MAY-JUL	JUN-AUG
	Snowy egret								X	X	X	X	X	X				JUN-JUL	-	-	-
191	Cattle egret							X	X	X	X	X	X					MAR-AUG	MAR-APR	APR-MAY	JUN-AUG
	Glossy ibis							X	X	X	X	X	X	X				MAR-SEP	APR-MAY	APR-JUN	JUL-SEP
	Great blue heron								X	X	X	X	X	X	X			JUN-JUL	JUL-JUL	-	-
	Great egret							X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Little blue heron								X	X	X	X	X	X	X	X		APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Osprey	NJ	S	T				X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
	Snowy egret								X	X	X	X	X	X				JUN-JUL	-	-	-
	Tricolored heron								X	X	X	X	X					APR-AUG	APR-MAY	APR-JUN	JUN-AUG
	Yellow-crowned night heron	NJ	S	T				X	X	X	X	X	X	X				MAR-JUN	MAR-APR	-	-
195	Black skimmer	NJ	S	E						X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Least tern	NJ	S	E					X	X	X	X	X					MAY-JUL	MAY-JUN	JUN-JUN	JUN-JUL
	Piping plover	NJ	S/F	E/T			X	X	X	X	X	X	X	X				APR-AUG	MAY-JUN	MAY-JUL	JUN-AUG
203	Black skimmer	NJ	S	E						X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
234	Black skimmer	NJ	S	E						X	X	X	X	X				MAY-SEP	MAY-JUN	JUN-JUL	JUL-SEP
	Black-crowned night heron							X	X	X	X	X	X	X	X			MAR-JUN	MAY-JUN	-	-
	Cattle egret							X	X	X	X	X	X					MAR-AUG	MAR-APR	APR-MAY	JUN-AUG
	Common tern							X	X	X	X	X	X					APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Forster's tern							X	X	X	X	X	X					MAY-JUL	-	JUN-JUN	JUL-JUL
	Glossy ibis							X	X	X	X	X	X	X				MAR-SEP	APR-MAY	APR-JUN	JUL-SEP
	Great egret							X	X	X	X	X	X	X	X	X		JUN-JUL	-	-	-
	Little blue heron								X	X	X	X	X	X	X	X		APR-JUL	APR-MAY	MAY-JUN	JUN-JUL
	Osprey	NJ	S	T				X	X	X	X	X	X	X				MAR-JUL	APR-JUN	JUN-JUL	JUN-JUL
	Snowy egret								X	X	X	X	X	X				JUN-JUL	-	-	-
	Tricolored heron								X	X	X	X	X					APR-AUG	APR-MAY	APR-JUN	JUN-AUG
	Yellow-crowned night heron	NJ	S	T				X	X	X	X	X	X	X				MAR-JUN	MAR-APR	-	-
247	Piping plover	NJ	S/F	E/T			X	X	X	X	X	X	X	X				APR-AUG	MAY-JUN	MAY-JUL	JUN-AUG
	Snowy egret								X	X	X	X	X	X				JUN-JUL	-	-	-
	Yellow-crowned night heron	NJ	S	T				X	X	X	X	X	X	X				MAR-JUN	MAR-APR	-	-
415	American wigeon				300	X	X	X							X	X	X	-	-	-	-
	Black duck				16000	X	X										X	-	-	-	-
	Brant				17000	X	X	X							X	X	X	-	-	-	-
	Bufflehead				3300	X	X	X	X	X				X	X	X	X	-	-	-	-
	Canada goose				450	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Goldeneye				100	X	X	X								X	X	-	-	-	-
	Mallard				3400	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Merganser				1100	X	X	X	X						X	X	X	-	-	-	-
	Northern pintail				100	X	X	X	X					X	X	X	X	-	-	-	-
	Oldsquaw				900	X	X	X	X						X	X	X	-	-	-	-
	Scaup				200	X	X	X								X	X	-	-	-	-
	Scoter				1000									X	X	X	X	-	-	-	-
	Snow goose				400	X	X	X						X	X	X	X	-	-	-	-
416	American coot				500	X	X	X	X	X	X	X	X	X	X	X	X	MAY-MAY	MAY-JUN	JUN-JUL	AUG-SEP
	American wigeon				300	X	X	X							X	X	X	-	-	-	-
	Black duck				11500	X	X										X	-	-	-	-
	Brant				23700	X	X	X							X	X	X	-	-	-	-
	Bufflehead				2600	X	X	X	X	X				X	X	X	X	-	-	-	-
	Canada goose				1600	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Canvasback				100	X	X	X	X					X	X	X	X	-	-	-	-
	Gadwall				20	X	X	X	X	X							X	-	-	-	-
	Goldeneye				250	X	X	X								X	X	-	-	-	-
	Green-winged teal				100	X	X	X							X	X	X	-	-	-	-
	Mallard				4200	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
	Merganser				1600	X	X	X	X						X	X	X	-	-	-	-
	Mute swan				20	X	X	X	X	X	X	X	X	X	X	X	X	MAR-OCT	APR-MAY	MAY-JUN	SEP-OCT
	Oldsquaw				300	X	X	X	X						X	X	X	-	-	-	-
	Scaup				2000	X	X	X								X	X	-	-	-	-
	Scoter				11000									X	X	X	X	-	-	-	-
	Snow goose				300	X	X	X						X	X	X	X	-	-	-	-
	Whistling swan (tundra swan)				30	X	X	X	X							X	X	-	-	-	-

FISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Outmig.	Larvae/Juv
78	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	American shad							X	X	X								-	-	-
	Atlantic croaker					X		X	X	X	X	X	X	X	X	X		-	-	MAY-JAN
	Atlantic herring					X		X	X	X						X	X	-	MAR-JUN	-
	Atlantic menhaden							X	X	X	X	X	X	X				-	-	MAR-OCT
	Atlantic sturgeon					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	APR-AUG
	Black seabass								X	X	X	X	X	X	X	X		-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X	X			-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X	X		-	-	-
	Porgy (scup)								X	X	X	X	X	X	X	X	X	-	-	-
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Spot							X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN
	Squirrel (red) hake (ling)					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Striped bass					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	Tautog					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	JUN-DEC
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT
79	Alewife					X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-
	American shad							X	X	X								-	-	-
	Atlantic croaker					X		X	X	X	X	X	X	X	X	X		-	-	MAY-JAN
	Atlantic herring					X		X	X	X						X	X	-	MAR-JUN	-
	Atlantic menhaden							X	X	X	X	X	X	X				-	-	MAR-OCT
	Black seabass								X	X	X	X	X	X	X	X		-	-	APR-OCT
	Blueback herring								X	X	X							APR-JUN	-	-
	Bluefish								X	X	X	X	X	X	X			-	-	JUL-SEP
	Northern kingfish								X	X	X	X	X	X	X	X		-	-	-
	Porgy (scup)								X	X	X	X	X	X	X	X	X	-	-	-
	Seatrout (weakfish)							X	X	X	X	X	X	X	X	X		APR-AUG	-	APR-SEP
	Spot							X	X	X	X	X	X	X	X	X	X	-	-	MAR-JUN
	Squirrel (red) hake (ling)					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Striped bass					X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
	Summer flounder								X	X	X	X	X	X	X	X		-	-	APR-NOV
	Tautog					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	JUN-DEC
	White perch					X	X	X	X	X	X	X	X	X	X	X	X	APR-JUN	-	-
	Winter flounder					X	X	X	X	X	X	X	X	X	X	X	X	NOV-MAR	-	MAY-OCT

HABITAT:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D
234	Fog fruit	NJ	S	E		X	X	X	X	X	X	X	X	X	X	X	X

SHELLFISH:

RAR#	Species	ST	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Larvae/Juv	Mating
78	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN
79	Blue crab					X	X	X	X	X	X	X	X	X	X	X	X	JUL-AUG	SEP-OCT	MAY-JUN